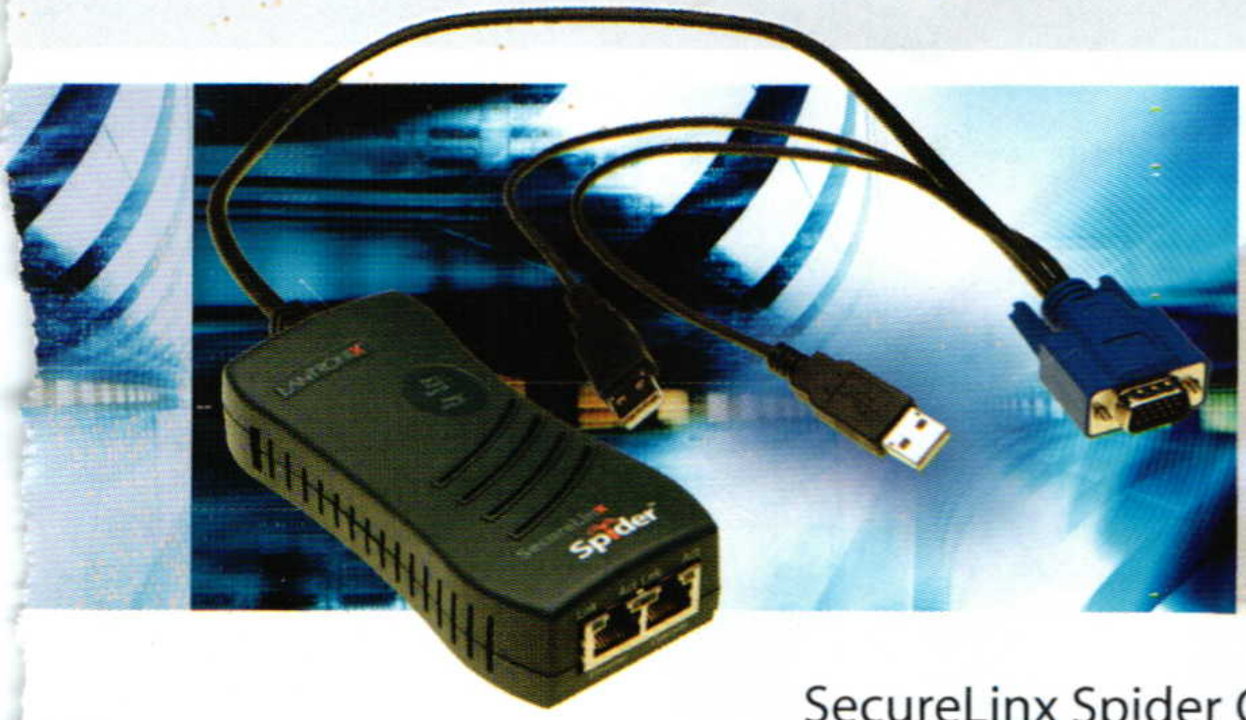


SecureLinx Spider Quick Start Guide

LANTRONIX®

SecureLinx Spider

LANTRONIX®

SecureLinx Spider
QUICK START GUIDE CONTENTS

Overview 2

What's In the Box 3

Installation and Network Settings 3-6

Spider Web Configuration 7-9

Target Computer Setup 9-10

Client System Requirements 10

Connection to Target Computer and Basic Operation 11-12

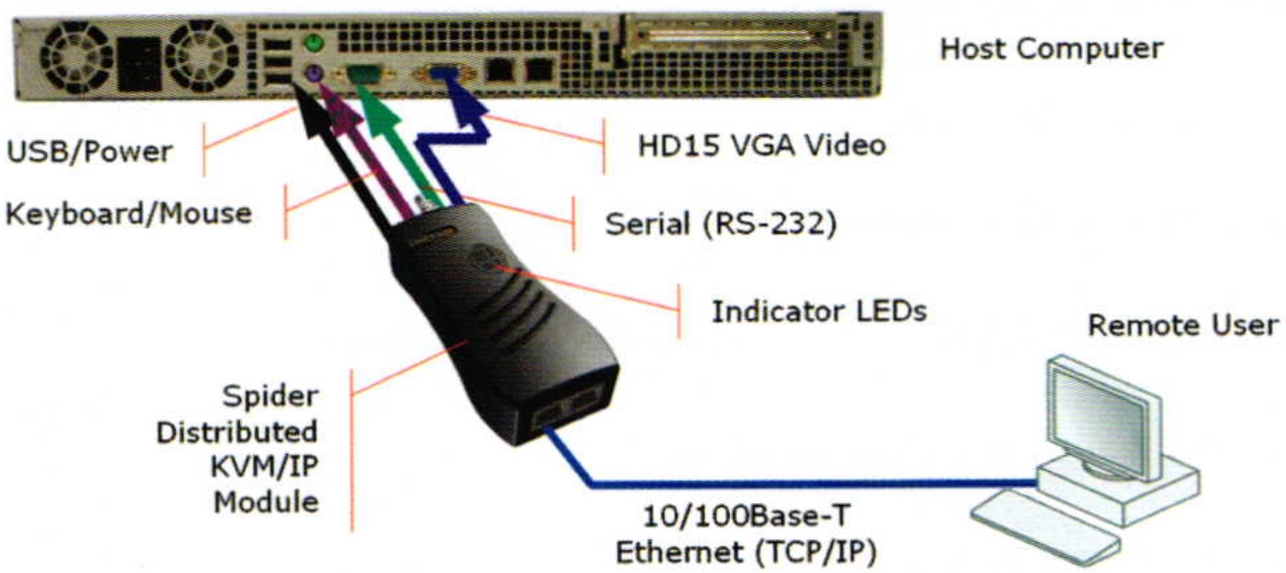
Exit and Logout 13

Contact Information 13

The SecureLinx Spider™ (SLS) is a distributed KVM/IP device designed to remotely and securely provide monitoring and control of one (target) computer system by one or more remote users. The remote user (client) accesses the Spider over a local or wide area network connection using a standard web browser.

There are two models: one with both PS/2 and USB keyboard/mouse interfaces (software selectable), and one for USB-only systems. The color coded plugs on the ends of the cables for the keyboard, mouse, USB port and video are designed to plug directly into the target system's corresponding connector. Hang the Spider by the cables or secure it out of the way.

Typical Spider Configuration



This Quick Start Guide will step you through the hardware installation and configuration in a typical environment.

WHAT'S IN THE BOX

In addition to the Spider distributed KVM/IP module, the box contains the following items:

- Null modem DB9F to RJ45 serial cable
- Mounting kit
- Quick Start Guide
- CD-ROM containing documentation and utilities

An optional external AC/DC power supply is available (part number 520-085-R).

INSTALLATION AND NETWORK SETTINGS

Serial and Auxiliary Power Port

Serial Port
(RS-232)

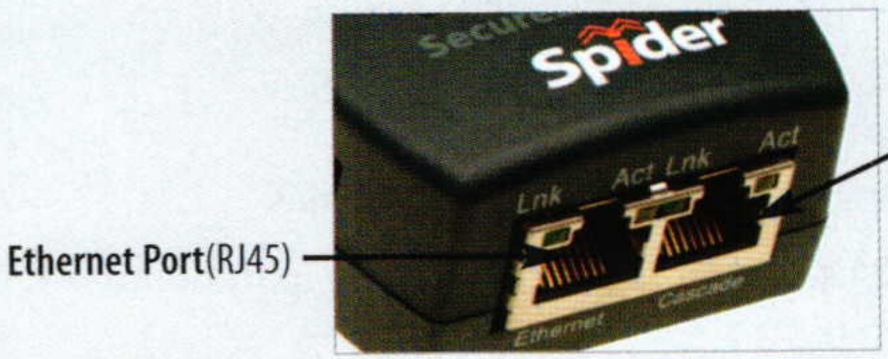
Auxiliary Power Connector
(for optional power cable)

Serial RS-232 Pinouts

Pin #	Pin Name	
1	RTS	(Out)
2	DTR	(Out)
3	TX	(Out)
4	GND	
5	GND	
6	RX	(In)
7	DSR	(In)
8	CTS	(In)

INSTALLATION AND NETWORK SETTINGS CONTINUED...

Ethernet and Cascade Ports



LEDs	Color	Description
Pwr1	Blue	Power Good indicates adequate power from source 1 (USB1)
Pwr2	Blue	Power Good indicates adequate power from source 2 (USB2 or PS/2)
SysOK	Green	Blinks upon bootup. Steady when up and healthy
Video	Green	Video is coming from target server (Vsync present)
Unit ID	Orange	Optionally lit to assist in finding unit

INSTALLATION AND NETWORK SETTINGS CONTINUED...

1. Plug the RJ45 end of the included serial cable into the Spider's serial port. Plug the DB9F end into the serial (COM) port of a PC/laptop running a terminal emulation (e.g. HyperTerminal). The default serial port settings are **9600 bits per second**, 8 data bits, no parity, 1 stop bit, no flow control.

2. The Spider is typically powered by the attached server. Plug the Spider video, USB, and PS/2 keyboard/mouse (if applicable) cables into the target computer (this is required for the device to boot up). The two blue power LEDs will illuminate and the green system OK LED flashes to indicate that it is booting up. Bootup is complete within approximately one minute. The system OK LED stops flashing and remains illuminated.

3. Upon bootup, the terminal window displays the **login** prompt. To change the default IP auto configuration from DHCP to a static IP address, type `config` and press **Enter**.

4. At the **IP autoconfiguration** prompt, type `none` and press **Enter**.

INSTALLATION AND NETWORK SETTINGS CONTINUED

```
Welcome!
Choose a login for the following features:
-Initial IP configuration: "config".
-Reset device: "reset".
(none) login: config
IP autoconfiguration (none/dhcp/bootp) [dhcp]: none
```

5. Follow the prompts to enter the unit's **IP address, subnet mask, default gateway**, and **LAN interface** information.

```
IP [192.168.1.22]:
NetMask [255.255.255.0]:
Gateway (0.0.0.0 for none) [0.0.0.0]:
LAN interface speed (auto/10/100) [auto]:
LAN interface duplex mode (auto/half/full) [auto]:
Are the entered values correct? Enter y for Yes, n for No or c to Cancel y

Configuring device ...
Done.
```

6. Type `Y`, following by **Enter**, to accept the changes. The system takes about 10 seconds to complete and display the updated IP address on the login prompt.

7. Plug an Ethernet cable connected to your network into the Ethernet port. The Link LED illuminates.

SPIDER WEB CONFIGURATION

1. Access the Spider over the network using a favorite web browser by entering `https://` for a secure SSL connection or `http://` for an insecure connection and its IP address in the address bar.

2. Enter your user name (default is `sysadmin`) and password (default is `PASS`) at the prompt. The Spider home page displays.

SPIDER WEB CONFIGURATION CONTINUED...

3. The following are a few key configurations:

Keyboard/Mouse:

a. Select **Interfaces → Keyboard/Mouse** from the web page.

b. To change the target interface keyboard/mouse settings from the default (**Auto**) to force PS/2 or USB target interface, select the appropriate option from the **Host Interface** drop-down menu.

c. To change the USB mouse type, select the appropriate operating system option from the **USB Mouse Type** drop-down menu.

d. Click **Apply** to store your settings in nonvolatile memory.

Security:

a. Select **Services → Security** from the web page.

b. To require SSL encryption, select **Force HTTPS for Web access**.

c. Click **Apply** to store your settings in nonvolatile memory.

Network TCP Ports and Services:

a. Select **Interfaces → Network** from the web page.

b. Under Network Miscellaneous Settings, modify the TCP ports as necessary. The client system requires the ability to access the Spider's IP address as well as have port 80 (HTTP) and 443 (HTTPS) open. Consult your system administrator if your system's firewalls and NAT device requires reconfiguration or change to these values.

SPIDER WEB CONFIGURATION CONTINUED

Performance:

a. Select **Interfaces → KVM Console Settings** from the web page.

b. If necessary, under Transmission Encoding, modify the video compression levels and color depth for slower connections.

TARGET COMPUTER SETUP

The Spider recognizes several varieties of video display formats with resolutions up to 1280 x 1024 @ 60Hz. (Refer to the User Guide for a list of supported video formats).

Minimize bandwidth and power consumption by setting the target computer's video resolution to the minimum setting required for your remote monitoring application. The following video modes are recommended:

800 x 600 @ 60Hz
1024 x 768 @ 60Hz
1280 x 1024 @ 60Hz

1. On a Windows target system, select **Control Panel → Display → Settings**. Modify the screen resolution value as necessary.

2. Select **Control Panel → Display → Settings → Advanced → Monitor**. Modify the screen refresh rate (consult the appropriate documentation when using a typical video card or another operating system on the target computer).

TARGET COMPUTER SETUP CONTINUED

Use generic mouse drivers when using PS/2 mouse interface for optimum mouse control during remote sessions. Set the mouse pointer speed to a middle setting with no acceleration or snap-to effects.

3. On a Windows target system, select **Control Panel → Mouse → Pointer Options**, set the pointer speed to medium and disable **Enhanced pointer precision**. For Linux GUIs, set the mouse acceleration to exactly 1 and the threshold to exactly 1.

CLIENT SYSTEM REQUIREMENTS

The client system must have a web browser (such as Microsoft Internet Explorer, Mozilla Firefox, and Netscape Navigator) and a Java Virtual Machine (version 1.4 or higher) installed. Enable Java on the web browser.

CONNECTION TO TARGET COMPUTER AND BASIC OPERATIONS

1. Click the **KVM Console** link from the Home page to begin remote control of the attached target computer. Lantronix SLS Remote Console Java applet launches in its own window (in front or behind the Spider web browser).

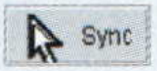
Note: *Do not close the Spider home page from the web browser. Closing the web browser ends the connection to the Lantronix SLS Remote Console window.*

CONNECTION TO TARGET COMPUTER CONTINUED

2. To operate within the remote target system, move your mouse along the screen to the Lantronix SLS Remote Console window. The mouse will navigate along the remote target system's screen.

3. To optimize the picture, press the video adjustment icon in the top menu bar.

4. To fit multiple remote console windows on the desktop, select **Options → Scaling** from the pull-down menu bar to decrease the remote console window's size.

5. If the local and remote cursors desynchronize, press the **Sync** 

button. If the **Sync** button does not synchronize the cursors, select **Options → Mouse Handling → Intelligent Sync**.

6. To suppress the local cursor in the remote console window, select **Options → Mouse Handling → Mouse Mode → Single Mouse Mode** and click within the window. Restore the local cursor by pressing the left `Alt` key + `F12`.

7. To distinguish between the local and remote cursors while in the remote console window, select **Options → Local Cursor** and choose the appropriate cursor type.

EXIT AND LOGOUT

1. To exit the Lantronix SLS Remote Console, click the button to close the window.

2. To log out of the Spider web page from the browser, click **Logout**.

CONTACT

For questions and technical support, please check our online knowledge base at **www.lantronix.com/support**

Lantronix
15353 Barranca Parkway, Irvine, CA 92618, USA
Phone: (949) 453-3990 or Fax: (949) 453-3995
www.lantronix.com

SecureLinx Spider

2008 Copyright © Lantronix is a trademark of Lantronix. All rights reserved.

900-457 Rev. C 03/08